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Claims

1. A device for the preparation of a coffee-based drink by extracting a dose of ground coffee contained in a capsule (8), said device comprising a water tank (1), a pump (2), a heater body (15) and a water injection member (9) connected successively via a water inlet pipe (3); the device also comprising, disposed in the extension of the water injection member (9), a capsule-carrier (7) and an outlet orifice (10) for the water-coffee mixture, the capsule-carrier (7) being suitable for being manually attached to and removed from the device and comprises means for containing a capsule (8) of coffee, so that the pressurized water originating from the water injection member (9) can pass through the capsule (8) and pass through the outlet orifice (10), said device being characterized in that it also comprises a branch pipe (5), connected at one of its ends to the water inlet pipe (3), and comprising, at the other of its ends, hydraulic means (6, 12, 13, 20) suitable for controlling the outflow of a water-coffee mixture through the outlet orifice (10), the device also comprising a valve (4) placed so as to allow the water to flow into the branch pipe (5) when a predefined pressure is reached.
2. The device as claimed in the preceding claim, comprising pressure adjustment means placed so as to be able to be actuated by the user.
3. The device as claimed in claim 1 or 2, characterized in that the valve (4) is pressure-sensitive.

4. The device as claimed in any one of claims 1 to 3,
characterized in that the hydraulic means (6, 12)
comprise a stopper (12) which alternatively closes
off or releases the flow of a water-coffee mixture
through the outlet orifice (10).
5. The device as claimed in the preceding claim,
characterized in that the capsule-carrier (7)
comprises at least one outflow orifice (14) and
that the hydraulic means (6, 12) are placed so as
to be able to close off said orifice (14).
6. The device as claimed in any one of claims 1 to 3,
characterized in that the hydraulic means (6, 13)
consist of at least one perforation member (13)
which, when it is activated, perforates a capsule
(8) placed on the capsule-carrier (7) and thereby
allows a water-coffee mixture to flow through the
outflow orifice (10).
7. The device as claimed in any one of the preceding
claims, characterized in that the hydraulic means
comprise a flexible reservoir (20) which, when it
swells following the arrival of water, operates
means (21, 22, 24, 12, 13) which release the
outflow of a water-coffee mixture through the
outlet orifice (10).
8. A method of using a device as claimed in any one
of the preceding claims, characterized in that a
portion of the liquid of the water inlet pipe (3)
is used to control the outflow of a water-coffee
mixture through the outlet orifice (10).